INTERNATIONAL SEARCH REPORT

Internation | Application No PCT/1 3/02211

. CLASSIFICATION OF SUBJECT MATTER PC 7 B60K6/04 B60K IPC 7 B60K41/00 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 B60K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Α US 5 318 142 A (WALLACE JOHN R ET AL) 1-4,8,97 June 1994 (1994-06-07) column 4, line 40 -column 4, line 51 column 5, line 6 -column 5, line 18; figures 1,2 Α US 6 170 587 B1 (BULLOCK KEITH JOSEPH) 1 - 109 January 2001 (2001-01-09) column 8, line 65 -column 8, line 67 figure 2 Α US 6 376 927 B1 (HOANG TONY T ET AL) 1 - 1023 April 2002 (2002-04-23) column 2, line 47 -column 2, line 67 US 6 116 363 A (FRANK ANDREW A) 1 - 1012 September 2000 (2000-09-12) claim 4 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docu ments, such combination being obvious to a person skilled other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 30 December 2003 08/01/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Kyriakides, L Fax: (+31-70) 340-3016

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